2.7 SUBSET FOR PROCESSING

Introduction

The Subset for Processing screen allows you to define clauses that will subset data from the control and item data files as opposed to running processes on an entire data set ('fat record') of IDs in a survey.

There are only five standard subsetting clauses. You cannot add or delete a process, but the code can be updated. Users cannot schedule clauses to be run as can be done with other processes found under the RUN PROCESSES button on the StEPS main menu screen. A StEPS development programmer must modify the existing batch update processing program to include the SAS code created for the clause in order to process. If programmers do not add the code to the program, the newly modified clauses will not run.

The program will read the SAS code created to subset data and will capture all the ID records on the Master and Stat period control files (DATALIB.CONTROL and DATA##.C1*yyyypp*, respectively) and the item file (DATA##.IT*yyyypp*) that meet the specified criteria. The program will then process all other batch processes scheduled to run based upon the subsetting clause condition. (i.e. The MAKEGFAT process code is modified to state the following: PCFLG = 'P'. When the programmers modify the general imputation program (GFAT), it will look at the subsetting clause SAS condition and will take all the records on the C1 file that have a parent/child flag = 'P'. All other processes to run thereafter will include only those records where PCFLG = 'P'.)

Subsetting clauses are stored in a library called PARMLIB.PSUBSET.

Note: Only users with PARMPRIV = 'P' may enter a parameter when subsetting a clause to process. Survey managers will be responsible for determining which analyst will have privileges.

Accessing the Screen

● Click on the SURVEY SPECIFICATIONS button from the StEPS Main Menu.

● Click on the OTHER SPECIFICATIONS button from the Survey Specifications Menu.

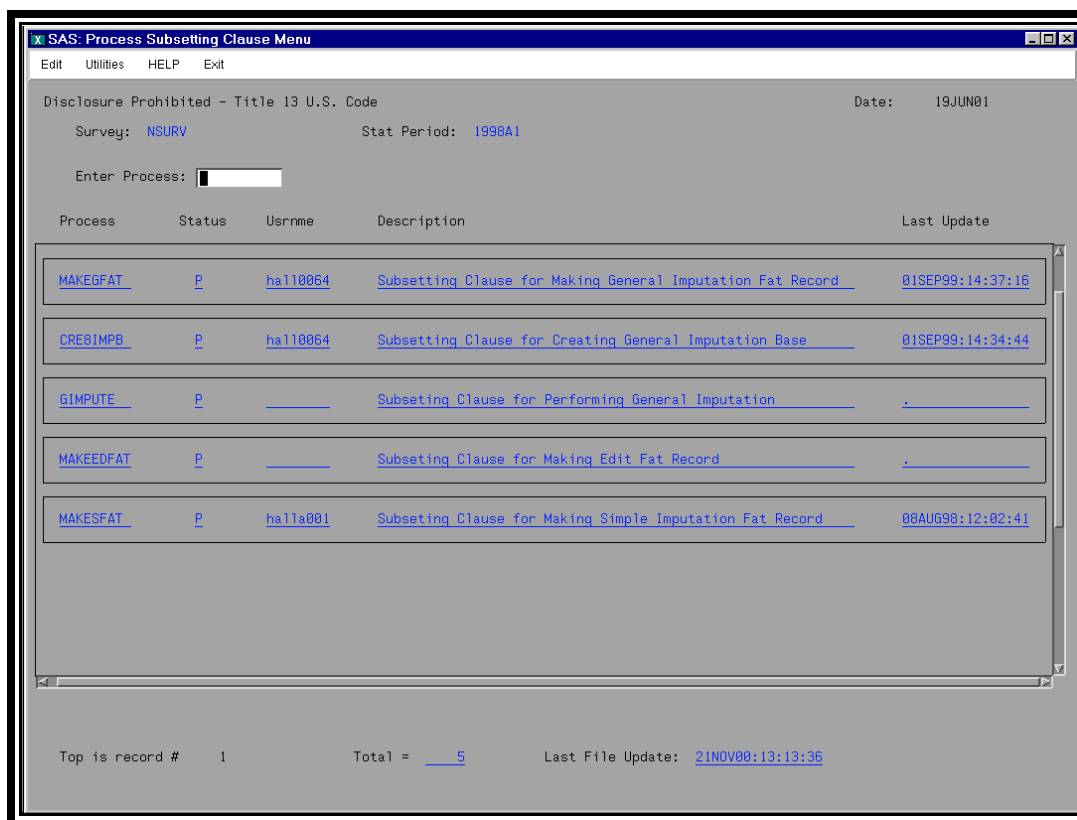● Select the "Subset for Processing" option to display the following:

Figure 2.7   Process Subsetting Clause Menu screen

Screen Features

- The survey and the stat period currently being processed are displayed at the top of the screen. These fields are not correctable. To change to a different survey or stat period, you must access the 'User Setup' module (see Chapter 1).

- The following fields are displayed in the "Process subsetting clause menu" screen:

Process   The name of the process.

Status   Indicates whether the process is 'active', 'inactive', or 'pending'. The status field is set in the 'Process Subsetting Clause Update' screen.

                 Blank   Definition is <u>active</u>. The clause defined will be read when the program is run.
                 I   Definition is <u>inactive</u>. The clause defined will NOT be read when the program is run.
                 P   Definition is <u>pending</u>. The clause defined will NOT be read when the program is run.

Usrnme   Name of the user who last updated this process.

Description   Descriptive label of the process.

Last Update   Date and time that this process was last updated.

- Fields displayed at the bottom of the screen are as follows:

Top is record#   Observation number of the process currently shown in the first row of the screen.

Total =   Total number of processes that exist for this survey.

Last File Update Date and time that the subset clause for processing file (PARMLIB.PSUBSET) was last updated.

- The process subsetting clause menu screen has five standard processes:

'MAKEGFAT'	Subsetting Clause for Making General Imputation Fat Record
'CRE8IMPB'	Subsetting Clause for Creating General Imputation Base
'GIMPUTE'	Subsetting Clause for Performing General Imputation
'MAKEEDFAT'	Subsetting Clause for Making Edit Fat Record
'MAKESFAT'	Subsetting Clause for Making Simple Imputation Fat Record

NOTE: The above processes are standard and hardcoded, thus you **can not** add or delete them. Only the code for a subset clause can be modified. A StEPS development programmer must be notified to modify the batch update program to include the subsetting clause in order for the clause to run.

2.7.1 UPDATE A SUBSET CLAUSE FOR PROCESSING

- You **can not** add or delete a clause. To update a clause:

1. Enter the process name (in the "Enter Process:" field) to be updated.
2. Click on the EDIT p-menu.
3. Select the "Update definition" option to display the following screen:

   (Note: You may also click directly on the process in the "Process Subsetting Clause Menu" screen to access the "update" screen for that particular test.)
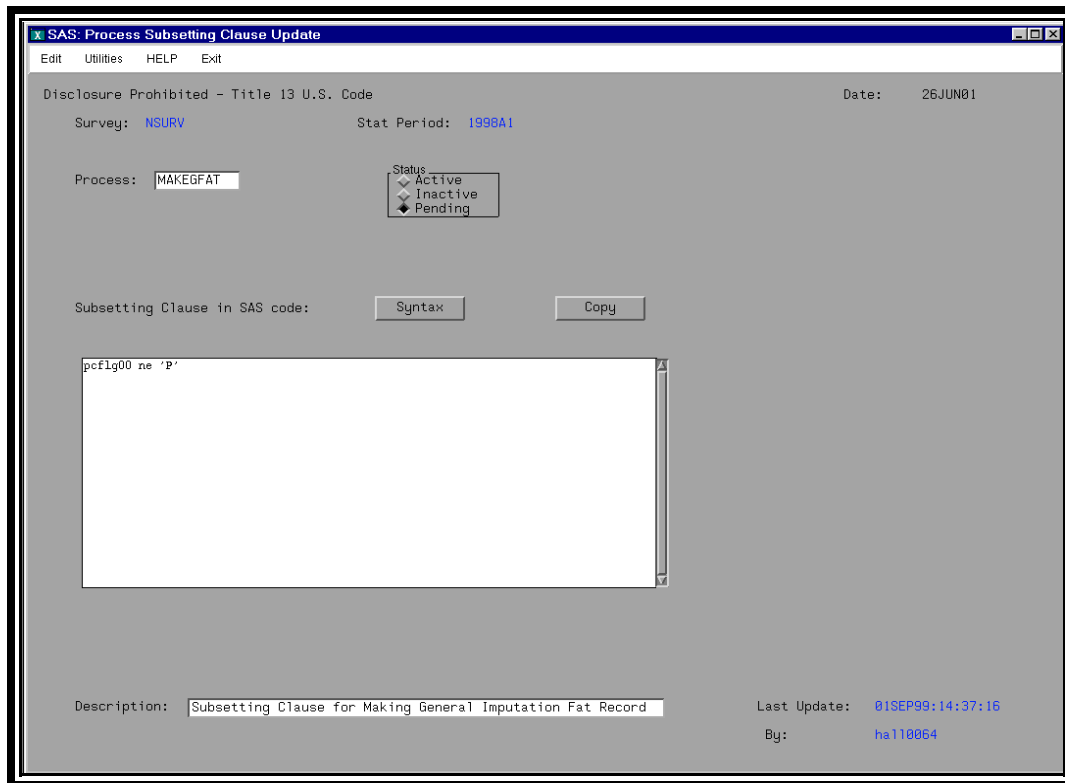
Figure 2.7.1   Process Subsetting Clause Update screen

● Enter the subsetting clause in SAS code in the box.

  – Use the "Syntax" button to verify that you have entered the SAS code correctly.
  – Use the "Copy" button to copy a SAS condition from an existing process.

● Once you have completed all changes to a process, you can save the changes by:

  1. Selecting the "Update Definition" option from the EDIT pmenu.
  2. Pressing 'F2'.

● As previously stated in the introduction, you cannot add or delete a clause and you cannot schedule clauses to be run as you can do with other processes found under the RUN PROCESSES button on the main review and correction screen, thus a StEPS development programmer must modify the batch update program to include the code for subsetting data.

● To **PRINT** a full or partial list of the existing subset clauses:

  1. Click on the UTILITIES p-menu.
  2. Select the "Print" option.

P-Menus

PROCESS SUBSETTING CLAUSE MENU SCREEN

P-menu	Options	Function
EDIT	Add Definition	Though this option is displayed, you cannot add a definition
	Delete Definition (F6)	Though this option is displayed, you cannot delete a definition
	Update Definition (F2)	Access the process subsetting clause update screen
UTILITIES	Next Page (PgDwn)	Access next screen of processing definitions
	Previous Page (PgUp)	Access previous screen of processing definitions
	Top	Access first record (processing definition)
	Bottom	Access last record (processing definition)
	Print	Print processing definitions
HELP	WhoamI (F7)	Display user default and systems information
EXIT	StEPS Main Menu (Home)	Return to StEPS Main Menu
	Exit (F3)	Exit to previous screen

PROCESS SUBSETTING CLAUSE UPDATE SCREEN

P-Menu	Options	Function
EDIT	Update Definition (F2)	Updates the subsetting clause in the processing subset file (PARMLIB.PSUBET)
	Cancel	Cancels any changes made to the subsetting clause
UTILITIES	Print	Prints a copy of the subsetting clause
HELP	WhoamI (F7)	Display user default and systems information
EXIT	StEPS Main Menu (Home)	Return to StEPS Main Menu
	Exit (F3)	Exit to previous screen